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Cont.

exceeds 32 bits, and it may not be possible to achieve calculating the value in a divider in an existing 32-bit calculator. To overcome this problem in such applications, the following method and apparatus is provided.--

IN THE CLAIMS

Please add the following new claims:

Rule 1.126

11. A CDMA transmission data generating method, comprising the steps of:

(a) obtaining a rate-matching parameter on the basis of the number of increase or decrease bits on each channel for each transmission frame by multiplying b with c and then dividing the result of said multiplying by a, in which a, b, and c are defined

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by the following equation:

$$Z_{ij} = \frac{\sum_{m=1}^i RM_m \cdot N_{mj}}{\sum_{m=1}^I RM_m \cdot N_{mj}} \cdot N_{dataj} \quad \text{for } alli = 1..I$$

b
c

a

where:

RMi represents the rate matching attribute of TrCH#i,

Ni,j represent the number of bits per frame on TrCH#i,

Ndata,j represents the number of bits on CCTrCH, and

$\Delta N_{i,j}$ represent the number of increase or decrease bits on TrCH#i; and

(b) rate-matching said each channel based on said rate matching parameter.

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¹⁸~~12~~ A CDMA transmission data generating method according to claim ~~11~~¹⁷, further comprising the steps of:

multiplexing said each rate-matched channel to generate frame data matching frame length; and

interleaving said frame data to generate said transmission frame.--
